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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Co	Complete if Known						
Application Number	09/842,790						
Filing Date	April 25, 2001						
First Named Inventor	Alan Ruth et al.						
Art Unit	174 5						
Examiner Name	N/A- J. MAPLES						
Attorney Docket Number	Q112-US1						

				U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Cite No.1	Document Number Number Kind C	ode	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W.			31	06-12-2001	Romero	See generally
		US- 6,319,628 F	31	11-20-2001	Zama	See generally
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		7	JP	2001297745A		10-26-2001	Alcatel	See generally	
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Examiner Signature	Joseph	Date Considered	2-1-03	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optior al). ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Comp	elete if Kno
Application Number	09/842,790
Filing Date	April 25, 2001
First Named Inventor	Alan Ruth et al.
Art Unit	1745
Examiner Name	NA J. MAPLES
Attorney Docket number	Q112-US1

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Examiner Initials*	Cite No.	1	Document Numb mber – Kind Code ^z (<i>if kn</i>	-	Publication Date MM-DD-YYYY	Name of Pa	tentee or Applicat Document	nt of Cited	Where Roor Releva	Columns, Lines, elevant Passages nt Figures Appear
N.		US	S-6,245,457 B1		06-12-2001	Romero			See ger	nerally
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V		US	5-6,379,840 B2		04-30-2002	Kitoh			See ger	nerally
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First Named Inventor	Alan Ruth et al.					
Art Unit	1745					
Examiner Name	NA J. MAY VES					
Attomey Docket number	Q112-US1					

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Examiner Initials*	Cite No. '	Document Number Number – Kind Code ² (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
V		US-6,040,086		03-21-2000	Yoshida et al.	Fig. 1, Col. 7, lines 20-50
the second		US-6,139,986		10-31-2000	Kurokawa et al.	Figs. 3 & 10, Col. 5, lines 6-24
V		US-6,197,074 E	31	03-06-2001	Satou et al.	Fig. 9, Col. 5, lines 1- 21
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	Cite No. ¹	Office ³	Number ⁴	Kind ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Y		JP	11-224660	Α	08-17-1999	NGK Insulators Ltd	See generally	Abstract Computer translation
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Examiner Signature

Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not m conformance and not considered. Include copy of this form which next communication to applicant.

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First Named Inventor	Ruth et al.					
Art Unit	1745					
Examiner Name	Unknown J.MN 45					
Attorney Docket number	O112-US1					

		U.S.	PATENT DO	CUMENTS	
		Document Number			
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FOREIGN PATENT DOCUMENTS								
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Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
Y		wo	01/82397	A1	11-01-2001	Quallion LLC		

OTHER REFERENCES							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published	T²				
gr		Article 34 Amendment as filed on 11-9-2001 in relation to Application No. PCT/US01/13398					
<u> </u>		Written Opinion, dated 05-20-2002, as received in relation to Application No. PCT/US01/13398					
		Reply to Written Opinion as filed on 06-18-2002 in relation to Application No. PCT/US01/13398					
9		International Preliminary Examination Report, dated 08-05-2002, as received in relation to Application No. PCT/US01/13398					
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2-1-03 Examiner Signature Considered

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²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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Application Number	09/842,790					
Filing Date	April 25, 2001					
First Named Inventor	Ruth et al.					
Art Unit	1741 (745					
Examiner Name	Unknown J. MAYUES					
Attorney Docket number	Q112-US1					

U.S. PATENT DOCUMENTS									
		Document Number							
Examiner Initials*	Cite No. 1	Number – Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		US-2002/0142216 A1	10-03-2002	Skoumpris	See generally				
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Qu/		EP	1 246 275	A2	10-02-2002	Wilson Greatbatch Limited	See generally	
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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazin journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published				
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Application Number	09/842,790					
Filing Date	April 25, 2001					
First Named Inventor	Ruth et al.					
Art Unit	174					
Examiner Name	Unknown T. MAPLES					
Attorney Docket number	Q112-US1					

		U.S.	PATENT DO	CUMENTS		7
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Examiner Initials*	Cite No. 1	Number – Kind Gode ^z (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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gr		JP	2000311666	A2	11-07-2000	Thomas & Betts Corp <t&b></t&b>	See generally	
70		JP	2000323105	A2	11-24-2000	Sanyo Electric Co. Ltd.	See generally	
\$		JP	2001052759	A2	02-23-2001	Alcatel	See generally	

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Examiner Signature	Joseph	Date Considered 2-1- 03	
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